

Program: Green.Building.Solutions. 2017



| | Day | Date | Start | End | Activity / Topic | Hours | |
|------------------|-----|------------|-------|-------|------------------------|-------|--|
| Preparation Work | Mon | 03.07.2017 | 09:00 | | Start Preparation Work | 40 | |
| | Fri | 21.07.2017 | | 18:00 | End Preparation Work | | |

| Introduction Day | | | | | | | | |
|----------------------------|-----|------------|---------|-------|---|--------------|-------|---|
| | Day | Date | Start | End | Activity / Topic | Lecturer | Hours | Location |
| Introduction & Orientation | Sat | 22.07.2017 | All day | | Arrival in Vienna / Check in | | | OeAD Passive House Studenthome Gasgasse |
| | Sun | 23.07.2017 | 09:00 | 13:00 | Orientation: program overview, intercultural training, introduction | OEAD-Housing | 4 | |
| | | | 13:00 | 14:00 | Lunch | | | |
| | | | 14:00 | 18:00 | Architectural City Tour Vienna | AZW | 4 | |
| | | | | | | | 8 | |

Week 1

| | Day | Date | Start | End | Activity / Topic | Lecturer | Hours | Location |
|--|------------|------------|-------|---|--|---|---|---------------------------------------|
| Module 1: Historical development & Introduction to Green Building Design | Mon | 24.07.2017 | 09:00 | 10:30 | The Architecture of 'Green Buildings' (incl. Active house design bzw. als eigene VO) | G. Reinberg | 1,50 | BOKU, SR06 |
| | | | 10:30 | 11:00 | Preparation Time | | 0,5 | BOKU, SR06 |
| | | | 11:00 | 12:30 | Presentation: Preparation Work | G. Reinberg, K.Stieldorf, G.Zucker | 1,5 | BOKU, SR06 |
| | | | 12:30 | 13:30 | Lunch | | | |
| | | | 13:30 | 15:00 | Presentation: Preparation Work | G. Reinberg, K.Stieldorf, G.Zucker | 1,5 | BOKU, SR06 |
| | | | 18:00 | 22:00 | Evening Reception with Keynote Speech Helga Kromp-Kolb | H. Kromp-Kolb, M.Treberspurg, G.Jedliczka | 4 | Palais Harrach, 1010 |
| Module 2: Urban Planning and design | Tue | 25.07.2017 | 09:00 | 10:30 | Principles of Passive House Design (Adaption: Historical Development) | M.Treberspurg | 1,5 | BOKU, SR06 |
| | | | 10:30 | 12:00 | Integrated spatial and energy planning | G. Stöglehner | 1,5 | |
| | | | 12:00 | 13:00 | Lunch | | | |
| | | | 13:00 | 17:00 | Sustainability in Urban Planning | E. Aufhauser, Y. Franz | 4 | BOKU, SR06 |
| Wed | 26.07.2017 | 09:00 | 12:00 | Socioeconomic Parameters of Sustainability | E. Aufhauser, Y. Franz | 3 | BOKU, SR06 | |
| | | 12:00 | 13:00 | Lunch | | | | |
| | | 13:00 | 17:00 | Visit & Presentation: Seestadt Aspern (OeAD-GreenHouse & PopUp Dorms) | Feirer, Frankel, Bredt, Mitterwallner | 4 | Aspern Seestadt, IQ, Greenhouse, PopUp Dorm | |
| | | | 19:00 | 21:00 | Cultural Activity: Waltzing Night | Eddy Franzen | 2 | Tanzschule Eddy Franzen, Jacquingasse |
| Module 3: Initial project design | Thu | 27.07.2017 | 09:00 | 10:30 | Presentation Project Design Work to Students | BOKU/TU | 1,5 | BOKU, SR06 |
| | | | 10:30 | 12:00 | Visit: Project Site | BOKU/TU | 1,5 | Project Site |
| | | | 13:00 | 14:00 | Lunch | | | |
| | | | 14:00 | 17:00 | Initial concept design | BOKU/TU | 3 | BOKU, SR06 |
| | | | 19:00 | 21:30 | AEMS 2017 opening | tba | | Palais Harrach, 1010 |
| Module 4: Sustainable materials | Fri | 28.07.2017 | 09:00 | 10:30 | Wood as construction material | Knoflach (MM) | 1,5 | BOKU, SR06 |
| | | | 10:30 | 12:00 | CLT | Dr. Winter (TU) | 1,5 | BOKU, SR06 |
| | | | 12:00 | 13:00 | Lunch | | | |
| | | | 13:00 | 16:00 | Visit: Timber Construction Company, Building Site, modern adobe construction (tba) | tba | 3 | tba |
| Free Day | Sat | 29.07.2017 | 13:00 | 16:00 | Cultural Activity: Visit Schloss Schönbrunn & Gardens | M. Treberspurg | 3 | Schönbrunn |
| Free Day | Sun | 30.07.2017 | | | Free Day | | 40 | |

Week 2

| | Day | Date | Start | End | Activity / Topic | Lecturer | Hours | Location |
|--|-----|------------|-------|-------|---|--|-------|---|
| Module 5: Construction Ecology | Mon | 31.07.2017 | 09:00 | 12:00 | Construction Ecology - a key factor for sustainable buildings | Thomas Belazzi | 3 | TU (tba) |
| | | | 12:00 | 13:00 | Lunch | | | |
| | | | 13:00 | 17:00 | Workshop: Construction ecology implementation (Project) | Thomas Belazzi | 4 | TU (tba) |
| Module 6: Building Physics | Tue | 01.08.2017 | 09:00 | 10:30 | Energy Balance in Buildings | K.Stieldorf (tba) | 1,5 | TU (tba) |
| | | | 10:30 | 12:00 | Building systems and building physics (title tba) | H. Schöberl (tba) | 1,5 | TU (tba) |
| | | | 12:00 | 13:00 | Lunch | | | |
| | | | 13:00 | 17:00 | Visit: District Heating & Cooling | G. Baresch | 4 | Wien Energie-Welt Spittelau, Spittelauer Lände 45 |
| Module 7: Innovative Energy Technologies | Wed | 02.08.2017 | 09:00 | 10:30 | Heat pumps in green buildings | Andreas Zottl | 1,5 | AIT |
| | | | 10:30 | 12:00 | Solar Thermal and its applications | Michael Hartl | 1,5 | AIT |
| | | | 12:00 | 13:00 | Lunch | | | |
| | | | 13:00 | 14:30 | Photovoltaic systems and its application | Marcus Rennhofer | 1,5 | AIT |
| | | | 14:30 | 16:00 | Innovative cooling processes | Markus Brychta, Peneder Businessbau | 1,5 | AIT |
| | | | 16:00 | 18:00 | Visit: AIT Energybase | Andreas Zottl | 2 | AIT |
| | | | 19:00 | 21:00 | AEMS Panel Discussion: The political and economic situation of Greece and Iceland | Helene Schuberth / Eva H. Önnudóttir / Spyridoula Nezi | | Palais Harrach |

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|--------------------------------|-----|------------|-------|-------|--|---|------|-----------------------------|
| Module 8: Building Simulations | Thu | 03.08.2017 | 09:00 | 12:00 | Incorporating renewable & innovative energy technologies (Project) | P. Horn (AIT) / FH Technikum | 3 | TU (tba) |
| | | | 12:00 | 13:00 | Lunch | | | |
| | | | 13:00 | 17:00 | Workshop: Dynamic Thermal Simulations - Introduction (designPH + PHPP/Polysun tba) | P. Horn (AIT) / FH Technikum | 4 | TU (tba) |
| | | | 19:00 | 21:00 | AEMS Private Panel Discussion: The financial system of the future | Bernard Lietaer / Christian Felber / Bart Jan Krouwel | | BOKU |
| Module 9: Daylight Engineering | Fri | 04.08.2017 | 09:00 | 12:00 | Workshop: Dynamic Thermal Simulations - Deepening | P. Horn (AIT) / FH Technikum | 3 | TU (tba) |
| | | | 12:00 | 13:00 | Lunch | | | |
| | | | 13:00 | 14:30 | Application of Simulation on Project | P. Horn (AIT) / FH Technikum | 1,5 | TU (tba) |
| | | | 14:30 | 17:00 | Building Information Modeling | Lars Oberwinter | 2,5 | TU (tba) |
| Free Day | Sat | 05.08.2017 | 09:30 | 12:30 | Daylight Engineering | G. Radinger | 3 | DUK, Krems |
| | | | 12:30 | 13:30 | Lunch | | | |
| | | | 13:30 | 16:00 | Workshop: Daylight Lab | G. Radinger | 2,5 | DUK, Krems |
| | | | 18:00 | 21:00 | Social Activity: "Heuriger" | Krems | | Mayer-Resch Heuriger, Krems |
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Week 3

| | Day | Date | Start | End | Activity / Topic | Lecturer | Hours | Location | |
|-------------------------------------|------------|------------|-------|-------|---|---|------------------------------------|----------------|----------|
| Module 10: Indoor & Outdoor Climate | Mon | 07.08.2017 | 09:00 | 10:30 | Comfort in PH by noise control and room acoustics / Comfort and Payback | Robert Schild | 1,5 | TU, HS 7 | |
| | | | 10:30 | 12:00 | Climate-sensitive Design | Peter Holzer | 1,5 | TU, HS 7 | |
| | | | 12:00 | 13:00 | Lunch | | | | |
| | | | 13:00 | 14:30 | Green roofs, green walls and interior greening | Vera Enzi (Verband für Bauwerksbegrünung) | 1,5 | | |
| Module 11: Project design work | Tue | 08.08.2017 | 14:30 | 17:00 | Project Work | K. Stieldorf, G. Reinberg, P. Horn | 2,5 | TU (tba) | |
| | | | 09:00 | 13:00 | Project Work | K. Stieldorf, G. Reinberg | 4 | TU (tba) | |
| | | | 13:00 | 14:00 | Lunch | | | | |
| | | | 14:00 | 18:00 | Project Work | K. Stieldorf, G. Reinberg | 4 | TU (tba) | |
| | Wed | 09.08.2017 | 09:00 | 13:00 | 13:00 | Project Work (interim presentation) | K. Stieldorf, G. Reinberg, P. Horn | 4 | TU (tba) |
| | | | | 13:00 | 14:00 | Lunch | | | |
| | | | | 14:00 | 18:00 | Project Work | K. Stieldorf, G. Reinberg | 4 | TU (tba) |
| | | | | 09:00 | 13:00 | Project Work | K. Stieldorf, G. Reinberg | 4 | TU (tba) |
| | Thu | 10.08.2017 | 13:00 | 14:00 | 18:00 | Project Work | K. Stieldorf, G. Reinberg | 4 | TU (tba) |
| | | | | 09:00 | 13:00 | Project Work | K. Stieldorf, G. Reinberg | 4 | TU (tba) |
| | | | | 13:00 | 14:00 | Lunch | | | |
| | | | | 14:00 | 18:00 | Project Work | K. Stieldorf, G. Reinberg | 4 | TU (tba) |
| Fri | 11.08.2017 | 09:00 | 13:00 | 13:00 | Project Work | K. Stieldorf, G. Reinberg, P. Horn | 4 | TU (tba) | |
| | | | 13:00 | 14:00 | Lunch | | | | |
| | | | 14:00 | 18:00 | Project Work | K. Stieldorf, G. Reinberg | 4 | TU (tba) | |
| | | | 09:00 | 12:00 | Individual Preparation for Project Work Presentation | | 3 | | |
| Final Presentation and Farewell | Sat | 12.08.2017 | 12:00 | 13:00 | Break | | | | |
| | | | 13:00 | 18:00 | Student Project Presentation / Certification Ceremony | G. Zucker, G. Reinberg, M. Treberspurg, K. Stieldorf, P. Holzer, Moderation: P. Schöffman | 5 | Palais Harrach | |
| | | | 18:00 | 21:00 | Dinner and Farewell Party | | | Palais Harrach | |
| | | | until | 13:00 | Check Out | | | | |
| | | | | | | | 47 | | |
| | | | | | | | 176,5 | | |

PH Palais Harach, Freyung 3, Inner City, 1010 Vienna

Academic Course **Workshop** Visit Cultural Activity **Project Work** AEMS events

47

176,5